GENERAL NOTES

Specifications:

-SHA Specifications dated January, 2001 -Revisions thereof and additions thereto and Special Provisions for Materials and Construction

AASHTO Standard Specifications for Highway Bridges dated 1996, including all Interim Specifications thru

2000 (unless otherwise noted).

Concrete Design: Service load design method, fc = 1200 psi.

Reinforcing Steel Design: fs = 24,000 psi.

Concrete:

All structure concrete shall be Mix. No. 3 (3500 psi) except as noted below under reinforcing steel.

Reinforcing Steel:

Reinforcing steel shall conform to A 615, Grade 60. All splices, not shown, shall be lapped as per Bar Lap Charts. Minimum cover for any bar shall be 2" unless otherwise noted, with the exception of bars at the bottom and sides of all footings which shall have 3" minimum cover.

If the front face of a retaining wall is within 5 ft. of a shoulder or lane, epoxy coated reinforcement shall be used in the front face of the stem and Mix. No. 6 (4500 psi) concrete shall be used for the stem.

ONLY GRADE 60 CAN BE USED.

Design Parameters:

Earth pressure calculated based on Coulomb Theory.

Angle of Internal Friction: 33 degrees for excellent soil

30 degrees for good and poor soils (and all walls on pile footings)

Minimum Reinforcement [AAHSTO LRFD] Pmin. = 0.03 fc'/fy.

For Wall Types E and F, passive earth pressure from top of footing to bottom of shear key was utilized in the design.

APPROVAL	
C.S. Freedom DIRECTOR OFFICE OF STRUCTURES	
DATE: 7/8/83	
REVISIONS	
SHA	FHWA
7-16-02	-

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF STRUCTURES

STANDARD RETAINING WALL GENERAL NOTES

FHWA APPROVAL
DATE:

STANDARD NO. RW(6.02)-83-133

SHEET ____ OF__

RETAINING WAL